CLAIMS AMENDMENT

Claims 1-61 (Canceled).

Claim 62 (Previously presented). A method of producing a New Guinea impatiens plant having a flower with at least one petal which exhibits a striped pattern, the method comprising the steps of: treating a New Guinea impatiens plant with a chemical mutagen and selecting a shoot from said plant containing a flower having at least one petal which exhibits a striped pattern.

Claim 63 (Previously presented). The method of claim 62 wherein the New Guinea impatiens plant is a cutting or a whole plant.

Claim 64 (Previously presented). The method of claim 62 wherein the chemical mutagen is ethyl methane sulphonate, methyl methane sulphonate, diethyl sulphate, nitrosoguanidine, ethylnitrosourea or methylnitrosourea.

Claim 65 (Previously presented). A New Guinea impatiens plant comprising a flower having at least one petal which exhibits a striped pattern produced by the method of claim 62.

Claim 66 (Previously presented). Pollen of the plant of claim 65.

Claim 67 (Previously presented). An ovule of the plant of claim 65.

Claim 68 (Previously presented). A tissue culture comprising regenerable cells of the plant of claim 65.

Claim 69 (Previously presented). A cutting of the plant of claim 65.

Claim 70 (Previously presented). A method for altering the color of the petals

of a flower of a New Guinea Impatiens plant, the method comprising the steps of: treating a New Guinea impatiens plant with electromagnetic radiation or ion beams and selecting a shoot from said plant containing a flower having at least one petal exhibiting an altered color.

Claim 71 (Previously presented). The method of claim 70 wherein the New Guinea impatiens plant is a cutting or a whole plant.

Claim 72 (Previously presented). The method of claim 70 wherein the New Guinea impatiens plant is irradiated with gamma rays, x-rays or ultraviolet rays.

Claim 73 (Currently amended). The method of claim 70 wherein the New Guinea impatiens plant is irradiated with from about 1.5 to about 3.5 krads of electromagnetic radiation or ion beams~~,~~.

Claim 74 (Previously presented). A New Guinea impatiens plant comprising a flower having at least one petal which exhibits an altered color produced by the method of claim 70.

Claim 75 (Previously presented). The New Guinea impatiens plant of claim 74, wherein the plant has a pedigree which includes the plant 2582.

Claim 76 (Previously presented). Pollen of the plant of claim 74.

Claim 77 (Previously presented). An ovule of the plant of claim 74.

Claim 78 (Previously presented). A tissue culture comprising regenerable cells of the plant of claim 74.

Claim 79 (Previously presented). A cutting of the plant of claim 74.

Claim 80 (Previously presented). A method for altering the color of the petals of a flower of a New Guinea impatiens plant, the method comprising the steps of: treating a New Guinea impatiens plant with a chemical mutagen and selecting a shoot from said plant containing a flower having at least one petal exhibiting an altered color.

Claim 81 (Previously presented). The method of claim 80 wherein the chemical mutagen is ethyl methane sulphonate, methyl methane sulphonate, diethyl sulphate, nitrosoguanidine, ethylnitrosourea or methylnitrosourea.

Claim 82 (Previously presented). A New Guinea impatiens plant comprising a flower having at least one petal which exhibits an altered color produced by the method of claim 80.

Claim 83 (Previously presented). Pollen of the plant of claim 82.

Claim 84 (Previously presented). An ovule of the plant of claim 82.

Claim 85 (Previously presented). A tissue culture comprising regenerable cells of the plant of claim 82.

Claim 86 (Previously presented). A cutting of the plant of claim 82.